



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF RADIATION PROGRAMS-LAS VEGAS FACILITY  
P.O. BOX 18416, LAS VEGAS, NEVADA 89114-5027 • 702/798-2100 (FTS 545-2100)

JAN 25 1983

Marc E. Nelson  
Environmental Scientist  
U.S. Department of the Interior  
Geological Survey  
Box 26124  
Albuquerque, New Mexico 87125

Confidential Claim Retracted

Authorized by: SC

Date: 6/25/13

Dear Mr. Nelson: *Marc* :

Attached is a tabulation of our findings resulting from follow-up surveys of radiation anomalies described by our gamma scanner work at the Pueblo of Laguna.

You may use our recently approved standards for uranium mill tailings as a comparison for the values I have presented. Summarily, the standard says that cleanup of buildings should be effected to reduce radon daughter working levels to 0.02, with a maximum limit of 0.03. Gamma exposure rates should be reduced to less than 20  $\mu$ R/hr above background. Dispersed tailings should be cleaned up to less than 5 pCi/g averaged over the top 15 centimeters of soil, and to 15 pCi/g averaged over any 15 centimeters of soil below this. Note that these standards are specific for the cleanup and control of inactive uranium mill tailings and do not make prescriptions for mine wastes or natural outcroppings of minerals which may exceed 5 pCi/g.

Sincerely yours,

*Wayne A. Bliss*

Wayne A. Bliss, Director  
Las Vegas Facility  
Office of Radiation Programs

Attachment (as stated)

cc: w/attachment  
H. Early, Pueblo of Laguna  
J. Silhanek, ANR-460  
H. May, Region VI  
C. Spotts, Region VI  
A. Topp, NMEID

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